

FIG.1

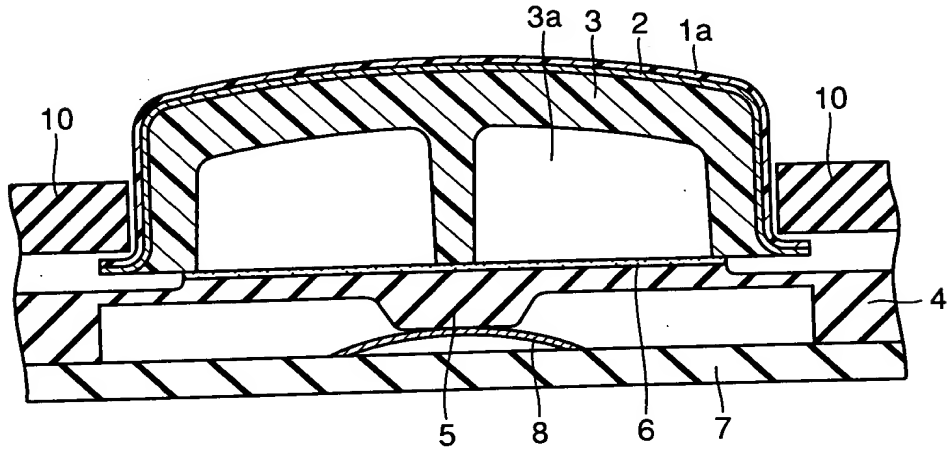
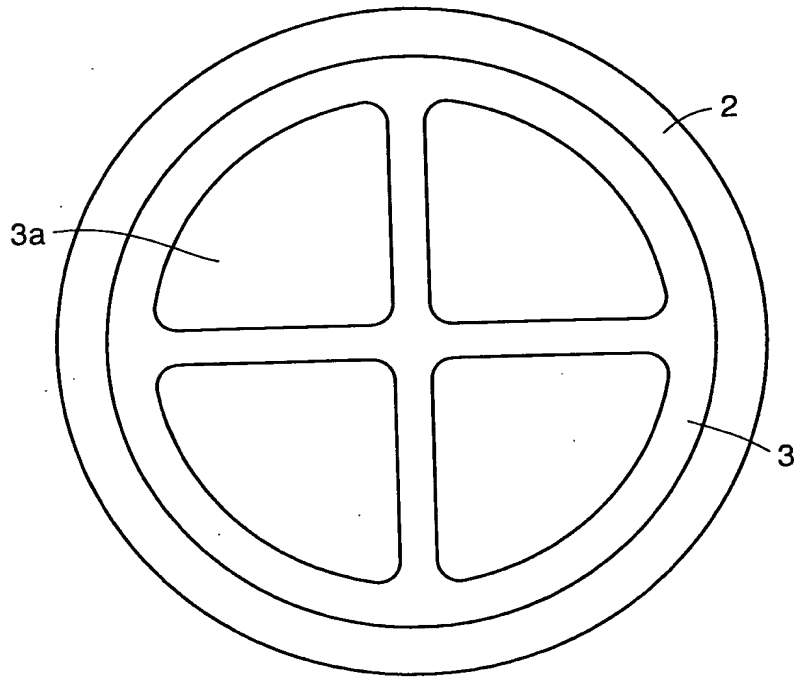


FIG.2



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FIG.3

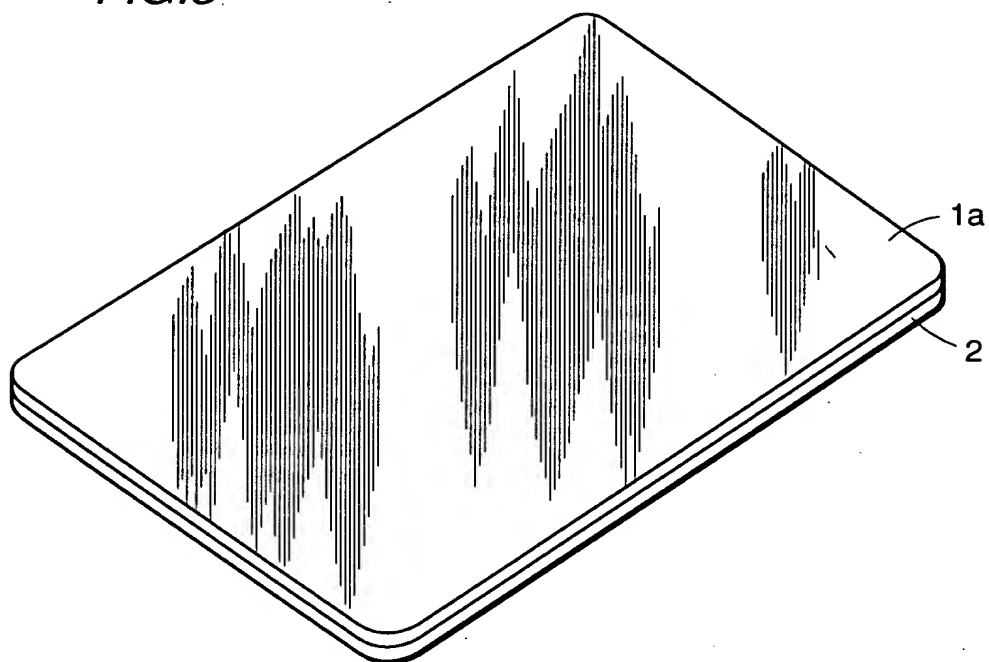
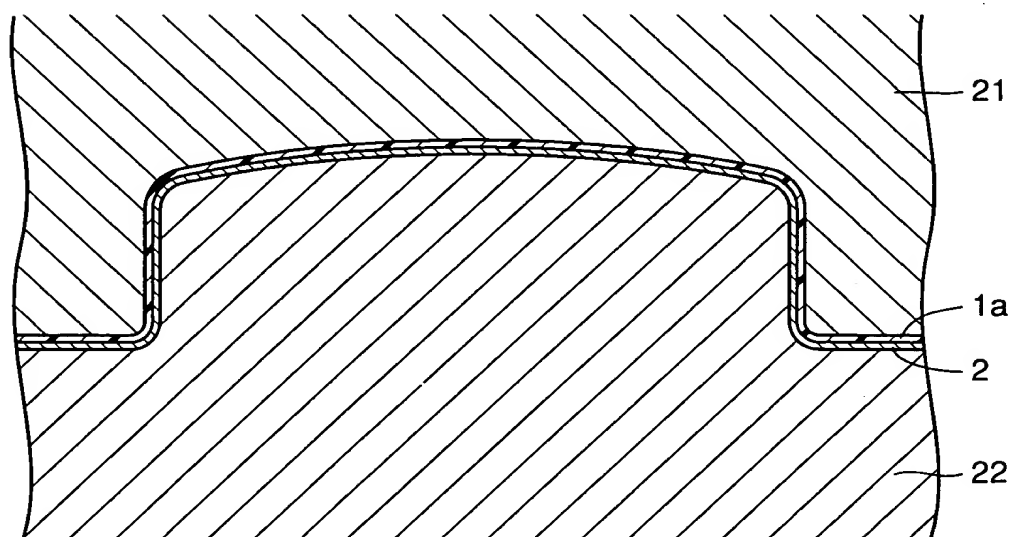


FIG.4



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E20E4860

FIG.5

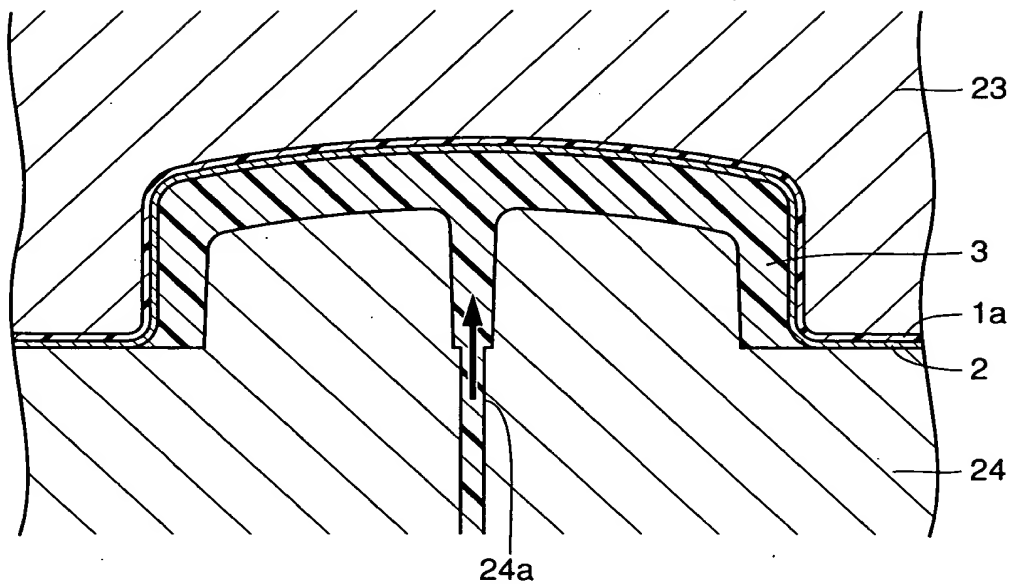
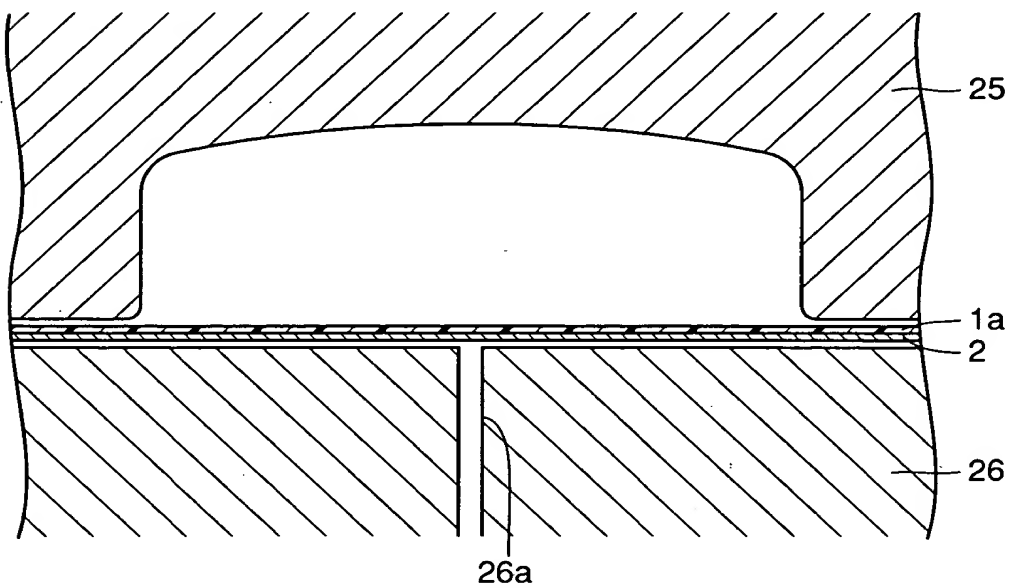


FIG.6



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This cross-sectional view shows a substrate with a trench. A gate structure is formed on the trench walls and bottom. A passivation layer is formed on top of the gate structure. The passivation layer has a central opening. The substrate has a central opening. The gate structure is labeled 10. The passivation layer is labeled 11. The central opening of the passivation layer is labeled 3a. The central opening of the substrate is labeled 3. The trench walls are labeled 2. The trench bottom is labeled 1a. The substrate is labeled 4. The trench is labeled 5. The gate structure is labeled 6. The passivation layer is labeled 7. The central opening of the passivation layer is labeled 8.

FIG.9

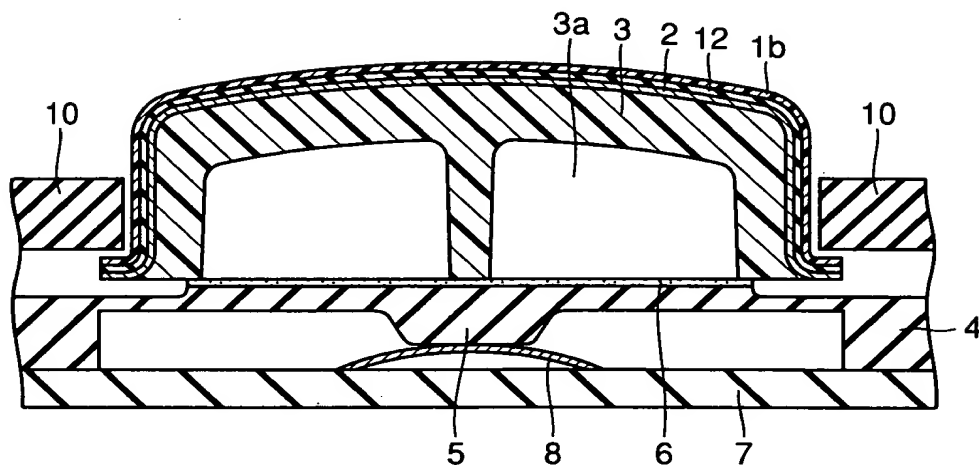
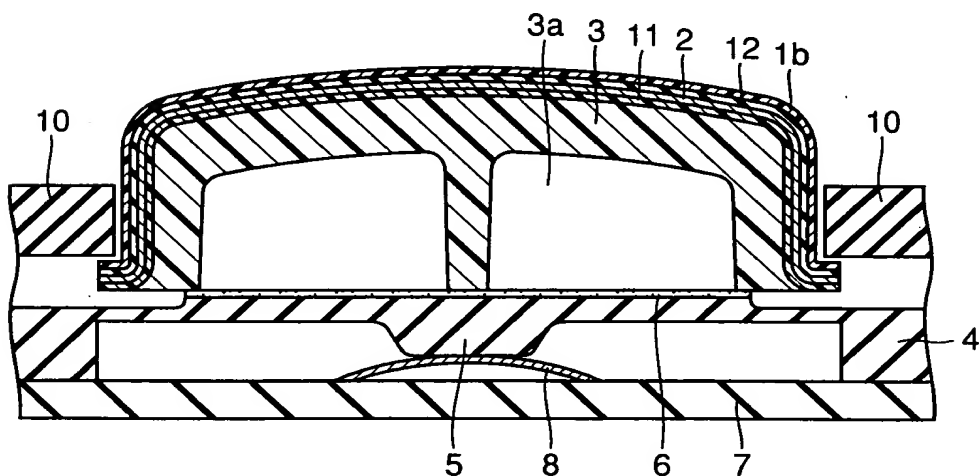


FIG.10



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FIG. 11

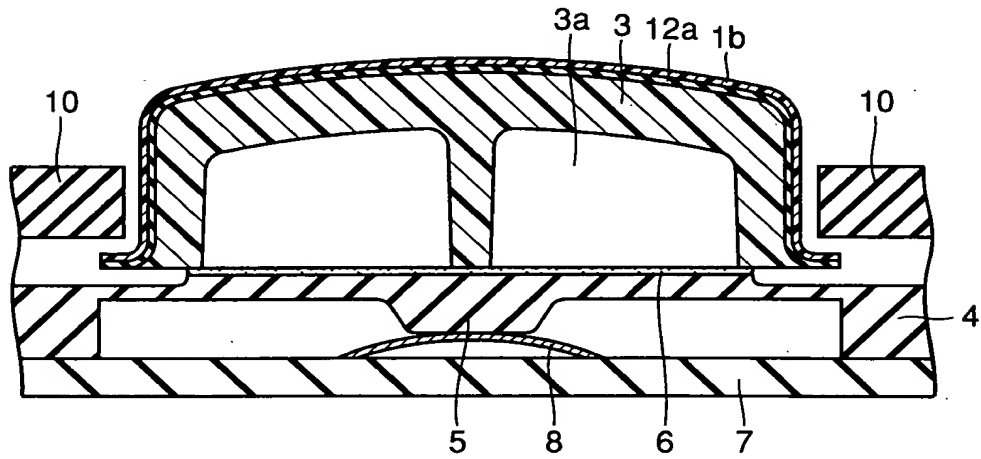
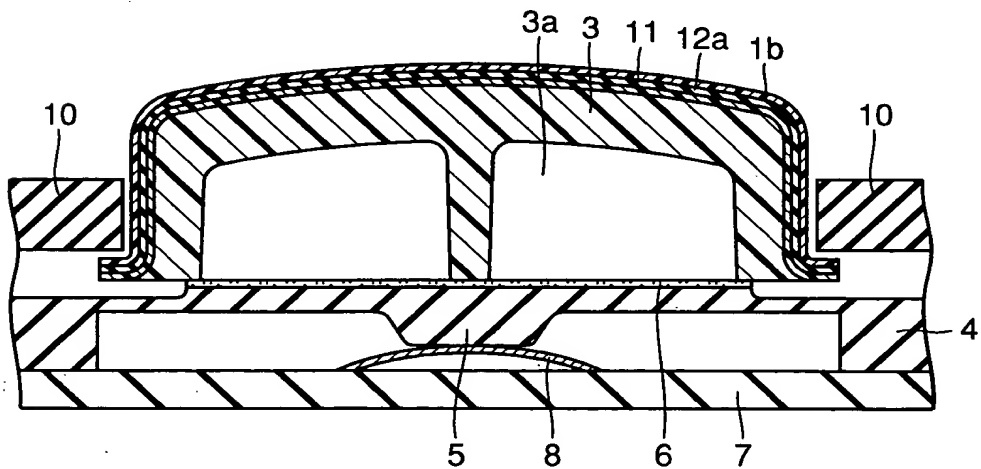


FIG. 12



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FIG.13

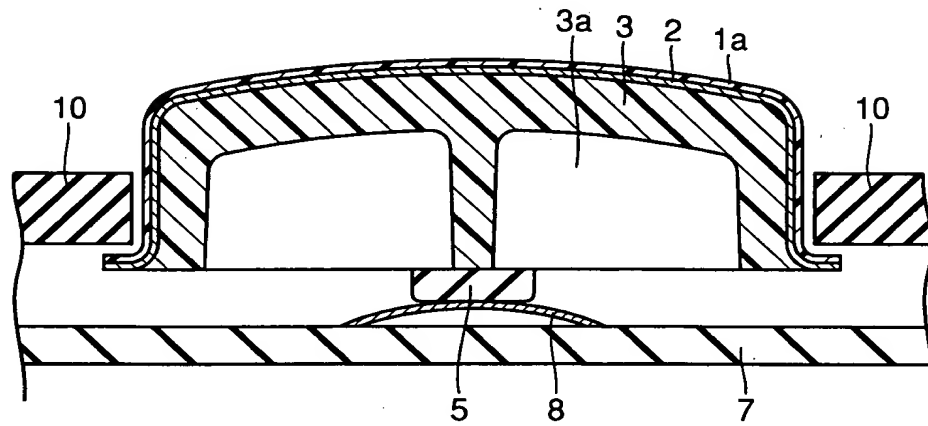
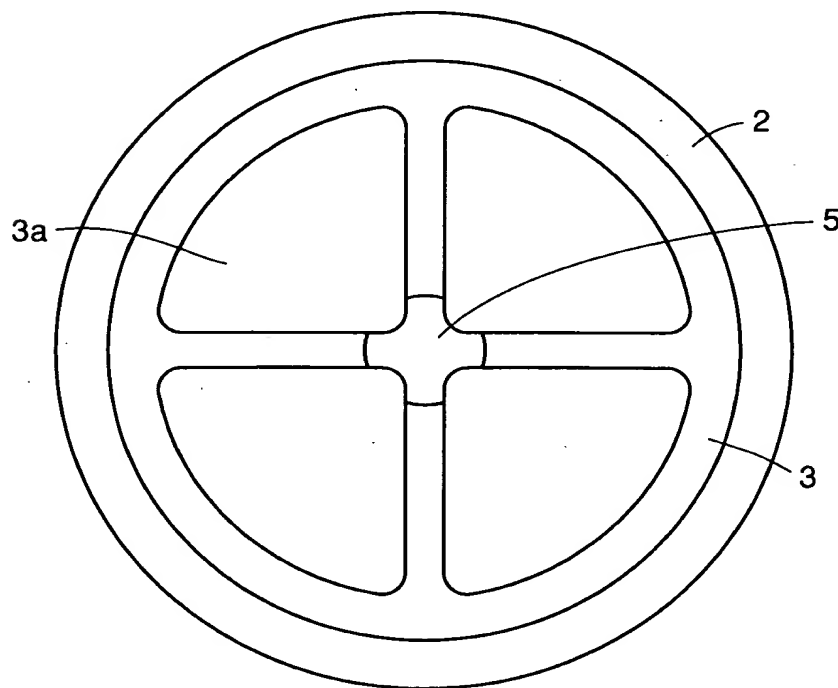


FIG.14



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**FIG. 15** PRIOR ART

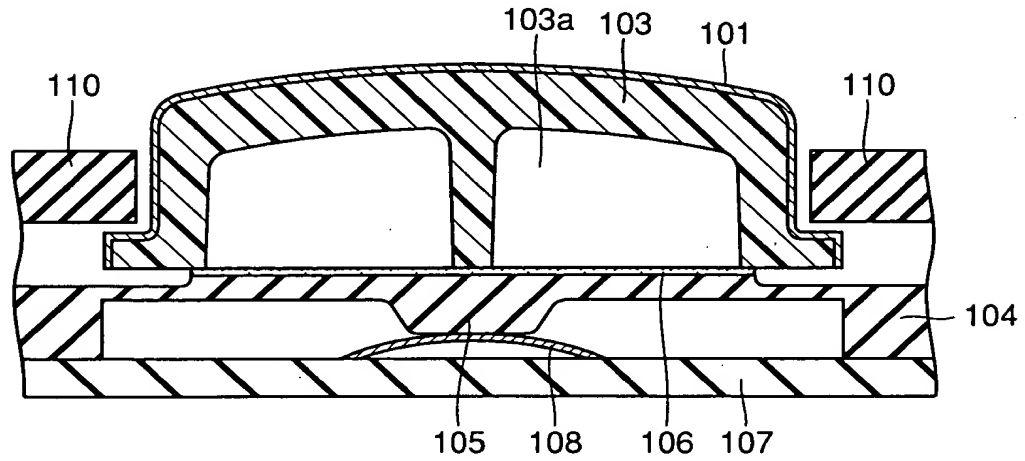


FIG. 15 PRIOR ART